## DECADE Integration Example

draft-ietf-decade-integration-example-03

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IETF 83th @ Paris

- Chang the words of "DECADE things" (e.g. DECADE server, DECADE client) to more general words of "In-Network Storage" (e.g. INS server, INS client).
  - "DECADE things" don't exist yet and we cannot assert that we have tested "DECADE things".

- Resolve Comments from Richard, Akbar, Ning
  - Rewrite abstract
    - Delete the list 1)...6)
    - Delete "DECADE Client API"
    - Change "ALTO+DECADE based file distribution platform" to "integration with ALTO to build content distribution for Content Providers (CPs)".
  - Rewrite introduction
    - Refer to DECADE Architecture Draft when describing DECADE/INS components
    - Delete abbreviation of "P2PLS"
    - Add introduction to integrated P2P file sharing, and integration with ALTO to support file distribution.

- Resolve Comments from Richard, Akbar, Ning
  - Terminology
    - Define INS server, INS client, INS operations to simulate DECADE server, DECADE client, DECADE protocols
    - Delete "DECADE module" and "DECADE plug-in" as both of them align with "DECADE client"
    - Delete "P2P", "P2PLS client" and "Vuze"
    - Merge "DECADE client" and "DECADE-Enabled Vuze" to unified term "INS-enabled application client"
    - Delete "Remote Controller"
    - Add "INS client API", "INS service provider", "INS Portal"
  - Client API
    - Indicate how tokens were generated in examples

- Resolve Comments from Richard, Akbar, Ning
  - P2P live streaming example
    - Change component name in Figure 1
    - Add details and reference to P2P live streaming control messages
    - Add section for object naming scheme
    - Rename "Challenges in DECADE integration" to "Design considerations"
    - Rename "limited connection slot" to "improve efficiency for each connection" and make our example settings more clear (e.g. one server only connects to one client)

- Resolve Comments from Richard, Akbar, Ning
  - P2P file sharing example
    - Delete "Vuze client design" to reduce redundancy
    - Change component name and delete "remote controller" in Figure 2
    - Rewrite the technical description of INS-enabled Vuze client to make it more general
    - Add description of object naming scheme
    - Add diagram (Figure 3) and reference to native Vuze messages for better comparison
    - Change component and message name in Figure 4

- Resolve Comments from Richard, Akbar, Ning
  - Integration of INS and ALTO for file distribution
    - Change "ALTO+DECADE ... Platform" to "Integration of ALTO and INS for File Distribution"
    - Add overview and reference to ALTO things
    - Change component/message name and add "ALTO server" in Figure 5 (Figure 4 in -01)
    - Change component and message name in Figure 6 (Figure 5 in -01)
    - State that the data distribution details (e.g. how many copies of the data to which INS servers) are decided by CP and/or INS service provider, and out of the scope of this draft

- Resolve Comments from Richard, Akbar, Ning
  - Test Environment and Settings
    - Add reference to Amazon EC2 and PlanetLab
    - Explain why we conduct test for flash-crowd in P2P live steaming
    - More explanation on "total supply bandwidth"
    - Redraw Figure 8 (Figure 7 in -01) by changing component name and reorganize the lines
    - Redraw Figure 9 (Figure 8 in -01) by changing component name and deleting "FTP server"
    - Add section for describing the test environment of integrated ALTO and INS for file distribution

- Resolve Comments from Richard, Akbar, Ning
  - Performance Analysis
    - State that for the example of integrated ALTO and INS for file distribution, we only show the feasibility and without comparing the performance with others
    - Define three metrics: download traffic, upload traffic and network resource efficiency for P2P file sharing example
    - Change some unclear statement like "more than 70% of peers uploaded in a rate that is much more than streaming rate" to more general statement
    - Delete Figure 10 in -01 and put the information to the text
    - Performance of integrated ALTO and INS for file distribution presents the bandwidth usage and simultaneous online users supported by each INS server

2012/03/29

- Add a Short Conclusion
- Add security consideration for token mechanism
- Add References to
  - IETF DECADE Architecture draft
  - BitTorrent
  - Vuze
  - IETF ALTO Protocol draft
  - Amazon EC2
  - PlanetLab
- Fix Editorial Problems

## Next Step

Start WGLC ?

# Thank you